



# Temperature Uniformity EMI Shielding Material



## 結構層 Structure Layer

鋁箔 ALUMINUM FOIL

導熱膠 THERMAL ADHESIVE

離型紙 RELEASE PAPER (Peel it off before using)

## 特點 Features

具導熱性

阻絕電磁波

均溫效果佳

好施工

對鋁料、塑料黏貼性佳。

全遮光性是背光模組產品設計的一大幫手。

具有極佳服貼性，不氧化且不易皺折。

可當石墨替代材

High thermal conductivity

Electromagnetic interference (EMI) shielding

Effective Temperature uniformity

Good workability

Good adhesion for aluminum and plastic product

Good light blocking and insulation for module design

Excellent adhesive and antioxidant

As better alternative for graphite

物性 Properties	EM100B	EM100BT	Unit	Test Method
顏色 Color	Black	Black	---	Visual
厚度 Thickness	0.105±0.015	0.05/0.1 (±0.015)	mm	ASTM D374
導熱係數 Thermal conductivity	XY-axis ,237 Z-axis, >5	XY-axis ,237 Z-axis, >5	W/mk	ASTM D5470
上膠厚度 Coating thickness	0.035±0.002	0.032±0.002	mm	---
上膠量 Coating weight	55±3	55±3	g/cm <sup>2</sup>	---
黏著力 <180° peel adhesion	1.5 ↑	1.2 ↑	Kg/25mm	---
剝離力 Release force	15±5	14±5	g/25mm	---
保持力 Holding power	24 ↑	24 ↑	Hr/Kg x 25mm <sup>2</sup>	---
耐溫範圍 Use temp. range	-30~160	-30~160	°C	---
保存期限 Stock period	1	1	Year	---

## 適用範圍 Usage

背光模組、桌上型電腦、NB、手機、電子製品.....等。

Smart phone, I-Pad NB, LED lighting, NB,LED Backlight, CPU,etc.

## 保存環境 Stock environment

建議保存於乾燥陰涼處 (溫度30°C、濕度60%以下)

30°C×60% RH ↓ IN A COOL、DRY PLACE

## 標準原材尺寸 Material Standard Sizes

EM100BT: 100M x 630 x T0.1mm

EM100B: 50M x 980 x T0.105mm

## 專利權 Patent Right

\* 中國專利證書 第3757119號

China Patent Certificate Number is "3757119"

\* 台灣專利證書 第M 481129號

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